

Technical Specification

RADKING S90

ENGINE

Kirloskar 4R1040TA1 Four Cylinder Diesel Engine
Turbocharge, Intercooled, Water Cooled.

Displacement : 4156 cc. **Bore x Stock** : 105 x 120.

Fuel Efficient, Easy To Maintain & Service.
Reliable, Economical & Proven Engine.

Gross Power : 90HP (66.2kw)@ 2200 RPM.
Max. Torque : 350Nm @1400 +/-100 RPM.

TRANSMISSION

Carraro Grader 4wd Transmission.

AXLE

Front Axle : Steer axle with 16° oscillation for max. ground contact.

Middle Axle : Drive axle, Centered pivoted oscillation axle.

Rear Axle : Drive axle, Rigid type.

HYDRAULICS

Open Center Independent Hydraulic Operating System.
Pump Flow Capacity : 46 cc/rev.

STEERING

Power Steering with Load sensing priority function.

ELECTRICAL SYSTEM

- 12V -System .
- Low maintenance heavy duty battery 130 AH rating.
- Alternator 12 V, 90 Amp.

TYRE

Heavy Duty Tyre : 14.9x24 - 12PR.

BRAKES

Service Brake : Foot operated hydraulically actuated oil immersed disc brake in middle Axle.

Parking Brake: Hand operated Mechanically actuated oil immersed disc brake in middle Axle.

SERVICE CAPACITY

Hydraulic Tank	:	80 Ltr. @1500hrs.
Fuel Tank	:	90 Ltr.
Engine Oil	:	9.5 Ltr. @500 hrs.
Transmission	:	16 Ltr. @1000hrs.
Middle or Rear Axle	:	14.5+1.5+1.5@1000hrs.

SPEED

Gear	1 st	2 nd	3 rd	4 th
Forward (km/hr)	4.5	7.5	16.6	34
Reverse(km/hr)	5.4	9.0		

DELUXE CANOPY

- Minimum obstacle in sight give all round excellent 360° visibility.
- Fully adjustable seat for full comfort, long and productive working conditions.
- Excellent control of steering, accelerator, hyd. controls & brakes give less fatigue.
- Front windshield protect operator from rain and dust, give all round safety to operator.
- Canopy consist of two large rear view mirror, wiper toolbox, clear tell tales & attractive dashboard.

MOLDBOARD

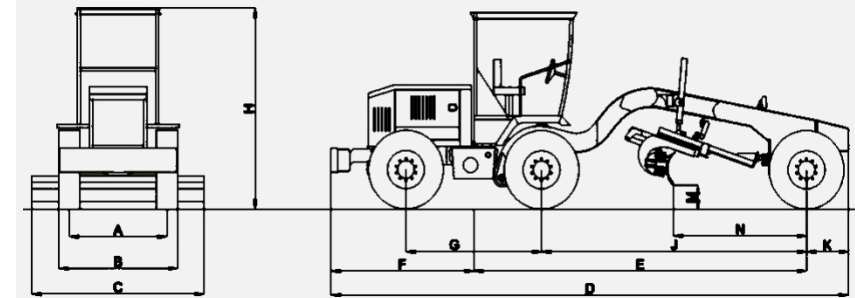
Moldboard Size	:	510 x 2800 mm
Blade Tip Range	:	35° Forward 5° Backward
Max. Shoulder Reach Outside of tyre	:	680 mm Right Side 880 mm Left Side
Circle Rotation Angle	:	50° on each side by hydraulic motor with unique reduction gear box.
Blade Vertical	:	Upward & Downward movement with 3 cylinder arrangement.
Max. Depth of Cut	:	310 mm

DIMENSIONS

Track Width Rear, A	1720 mm	Overall Width, B	2120 mm
Blade Length, C	2800 mm	Total Length, D	8460 mm
Wheel Base, E	5500 mm	Rear Overhang, F	2300 mm
Rear Wheels Distance, G	2200 mm	Total Height, H	3035 mm
Distance from front wheel to middle wheel, J	4400 mm	Front Overhang, K	696 mm
Blade Lift, M	360 mm	Distance of Blade Tip, N	2100 mm
Front Axle Clearance	540 mm		

WEIGHT & TURNING CIRCLE

Minimum Turning Radius	:	10.5 m.
Gross Vehicle Weight	:	8010 kg approx.
RAW	:	5860 kg.
FAW	:	2150 kg



RADKING S90 / A Smart Solution For The Road Infrastructure

Productivity	95 cu.m/hr.*
Fuel Efficiency	8 to 9 ltr/hr.*
Deluxe Canopy	With Front & Rear safety glass & Led Lamp.

SEC – RJMT 4 x 4 Motor Grader Make Road Construction Easy.



We make you promise to deliver the quality product always.



All information are of general nature only (Variable ± 2%). We reserve the right to change any specification without any prior notice.

Strong & Durable Structure....

4x4 MOTOR GRADER